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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/610,272	07/06/2000	Yosif Kushnir	DOLT.74119	5549

7590

02/12/2002

Richard R Johnson
Shook Hardy & Bacon LLP
One Kansas City Place
1200 Main Street
Kansas City, MO 64105-2118

EXAMINER

LEYSON, JOSEPH S

ART UNIT

PAPER NUMBER

1722

DATE MAILED: 02/12/2002

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/610,272

Applicant(s)

KUSHNIR ET AL.

Examiner

Joseph Leyson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 July 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

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1. In the cross reference to related applications on p. 1, the status of the parent case should be updated, i.e. now abandoned or now U.S. Patent No. #.

2. The disclosure is objected to because of the following informalities: the specification should be checked for proper idiomatic language, for proper spelling, and/or for proper numerical designations. See for example the following:

<u>pp.</u>	<u>lines</u>	<u>i.e.</u>
7	10	34b should be 44b
9	10	--threaded-- should be inserted before "along"
10	8	1444 should be 144

Appropriate correction is required.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3, 5-7, 10, 12-15, 17 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Feitl(-146).

Feitl(-146: figs. 2 and 3) teaches a nozzle assembly for injecting molten plastic into a mold cavity, that corresponds to

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the instant nozzle assembly, which includes a nozzle housing 11 presenting a passage therethrough for receiving the molten plastic, a nozzle 12 having a detachable threaded connection 24 with the housing and a passageway communicating with the passage when the nozzle is connected with the housing, the nozzle 12 having a discharge opening for injecting the molten plastic into the mold cavity, internal threads 25 on the nozzle housing 11 extending at a location spaced outwardly from the nozzle 12 when the nozzle is connected to the housing, and a sleeve 23 having a threaded connection with the internal threads 25 on the nozzle housing 11 and being adapted to be tightened on the internal threads to lock the nozzle 12 to the nozzle housing, the sleeve 23 being adjacent to a selected surface of the shank to secure the nozzle 12 to the housing 11 (i.e., col. 4, lines 33-41). The housing 11 presents a bore having a relatively small first portion into which the nozzle 12 is threaded and a relatively large second portion presenting the internal threads 25. The bore terminates at a shoulder presented in the housing 11, the nozzle 12 being threaded into the bore adjacent to the shoulder. The sleeve 23 is disposed in the relatively larger portion of the bore between the nozzle 12 and the internal threads 25 on the housing 11. The housing 11 has a base screwed into element 10 and a barrel extending from the base (see fig. 1). The

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barrel has an internally threaded bore 24, and the nozzle 12 has a threaded connection with the internally threaded bore 24 to establish the detachable threaded connection. The bore terminates at a shoulder presented in the barrel, and the nozzle 12 has a shank threaded into the bore adjacent to the shoulder and a nozzle head located on the shank. A gap is located between the sleeve 23 and the nozzle 12 along a majority of the length of the sleeve 23 (see fig. 2). The first portion of the bore has a lesser diameter than the second portion.

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary.

Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that

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was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claims 4, 8, 9, 11, 16, 18 and 19 rejected under 35 U.S.C. 103(a) as being unpatentable over Feitl(-146) in view of British reference (1,097,325).

Feitl(-146) discloses a conical fit between the sleeve 23 and the nozzle 12. However, Feitl(-146) does not disclose the nozzle having an enlarged flange adjacent a shoulder in the bore of the housing, and the sleeve having an end adjacent to the flange.

British reference (1,097,325) discloses a nozzle housing 1, a nozzle 5, and a sleeve 15 having a threaded connection to the housing 1, wherein the fit between the sleeve 15 and the nozzle 5 is by the nozzle 1 having an enlarged flange adjacent a shoulder in the bore of the housing, and the sleeve 15 having an end adjacent to the flange.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to modify the apparatus of Feitl(-146) such that the fit between the sleeve and the nozzle is by the nozzle having an enlarged flange adjacent a shoulder in the bore of the housing and the sleeve having an end

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adjacent to the flange because such a modification is well known and conventional in the art as disclosed by British reference (1,097,325) and would provide an art recognized alternative fit between a sleeve and a nozzle known to be operable in the art.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Rees et al. (-241) and Travaglini(-630) are cited as of interest.


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Leyson whose telephone number is (703) 308-2647. The examiner can normally be reached on M-F(8:30-6:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (703) 308-3322. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.



j1
February 7, 2002


NAM NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700